

(19) World Intellectual Property Organization

International Bureau



(43) International publication date

12 September 2003 (12.09.2003)

(10) International publication number

PCT

WO 03/074612 A1

- (51) International patent classification<sup>7</sup>: C08L 101/00, C08K 13/04, 7/14, 5/50, 5/56
- (21) International application number: PCT/EP03/02175
- (22) International filing date: 4 March 2003 (04.03.2003)
- (25) Language of filing: German
- (26) Language of publication: German
- (30) Data relating to the priority: 102 09 420.9 5 March 2002 (05.03.2002) DE
- (71) Applicant (for all designated States except US): TICONA GMBH [DE/DE]; Professor-Staudinger-Strasse, 65451 Kelsterbach (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (US only): PAPKE, Nicolai [DE/DE]; Ludwig-Beck-Ring 5, 65239 Hochheim am Main (DE).
- (81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated states (regional): ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- With the International Search Report.

For an explanation of the two-letter codes and the other abbreviations, reference is made to the explanations ("Guidance Notes on Codes and Abbreviations") at the beginning of each regular edition of the PCT Gazette.

As printed

(54) Title: THERMOPLASTIC MouldING MATERIAL AND MouldED BODIES PRODUCED THEREFROM

(54) Bezeichnung: THERMOPLASTISCHE FORMMASSE UND DARAUS HERGESTELLTE FORMKÖRPER

(57) Abstract: The invention relates to a thermoplastic moulding material containing a) 20 - 99 wt.-% of a thermoplastic polymer which is not a polyoxymethylene homo- or -copolymer, b) 0.1 wt.-% - 80 wt.-% of a filling and/or reinforcing material, and c) 0.00001 - 1.0 wt.-% of a catalyst which catalyses the formation of covalent bonds between the thermoplastic polymers and the surface of the additional material.

(57) Zusammenfassung: Beschrieben wird eine thermoplastische Formmasse enthaltend a) 20 bis 99 Gew.-% eines thermoplastischen Polymeren, das kein Polyoxymethylen-Homo- oder -Copolymer ist, b) 0,1 Gew.-% - 80 Gew.-% eines Füll- und/oder Verstärkungsmaterials, und c) 0,00001 bis 1,0 Gew.-% eines Katalysators, der die Ausbildung von kovalenten Bindungen zwischen dem thermoplastischen Polymeren und der Oberfläche des Zusatzstoffes katalysiert.

WO 03/074612 A1